

LYCOMING

COLLEGE REPORT February 1974/Volume 27, Number 2/ May and Summer Session Supplement

May Term 1974—

MAY 6, 1974

On May 6, 1974 you can begin an exceptional experience at Lycoming College -- THE MAY TERM.

In its third year as a unique opportunity at Lycoming, the MAY TERM will again provide students with a challenging array of fifty-five specially designed courses for the four-week term. As in the two previous very successful MAY TERMS, many non-traditional courses have been designed and have such diverse topics as construction of Appalachian folk stringed instruments, black music, coaching of athletics, film, folklore, hypnosis, jewelry, Shamanism, Sylvia Plath, and woodworking.

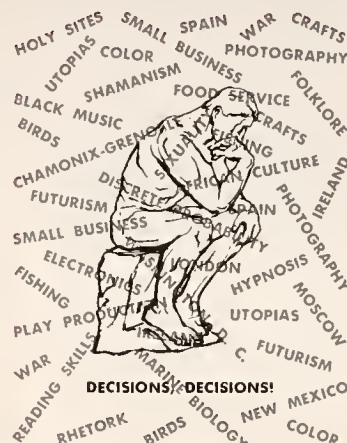
Newly designed courses to be offered have such titles as "Accounting for Non-profit Organizations", "Food Service", "Physiological and Psychological Aspects of Color", "Effective Communication", and "The Russo-German War, 1941-45". Other new offerings include "Electronics for the Amateur Audiophiles", "Philosophical Issues in Literature", "Christianity and African Culture", "An Introduction to Discrete Probability", "Basic Research Methods in Psychology Research Instrumentation", and "Holy Sites and Religious Topics".

Back by popular demand for the third MAY TERM are "Accounting Opinions of the APB-FASB", "Managing the Small Business", "Field Ornithology", "Modern Archeological Research", "History of Utopias in America", "Speleology", and "Urban Confrontation".

The third "Cultural Tour of the U.S. S.R." will again enable students to experience Russian culture in visits to Leningrad, Moscow, Novgorod, Kiev, Lvov, and Budapest, as well as Deomark, Fioland, and West Germany.

The tri-cultural community of Northcentral New Mexico will be home for the third time for another "Field Experience in Sociology-Anthropology" group as they combine cultural anthropological and sociological field methods to learn how to analyze a community in depth.

Washington, D. C. and London will have return engagements this MAY TERM. "Theatre and Music in London" will bring students into direct contact with the current theatre and music through attendance at and evaluation of at least six plays, two operas, two ballets, and two concerts. They will meet with practitioners in the arts and visit artistic



and historical places. "The Washington Minimester" A Course in Practical Politics will again provide students with an opportunity to observe the workings of our national government at first hand.

Other courses offered for the second consecutive MAY TERM include: "Clinical Microbiology", "Human Sexuality", "Fishery Management", "Creative Advertising", "Clinical Chemical Analysis", "Introductory Psychology", and "Futurism". The "Introduction to Marine Biology and Biological Oceanography" course will again be based at the Bermuda Biological Station for Research, St. George's West.

New on/off-campus courses this MAY TERM which involve class work and field study include a Vermont Photography Workshop, and a "Living Off the Land" adventure.

Several new foreign culture courses are available. "A Spanish Inquisition, 1747" will visit Madrid, Salamanca, Granada, and Sitgea. "An Examination of the Changing Cultural Patterns of Contemporary France" will include Paris, Tours, Geneva, Chamonix-Greoble, Nice, Biarritz, and Marseille in its itinerary. "The German Reformation, In Germany" students will visit such East German sites as Wittenburg, Eisleben, and Erfurt. Ireland will be the land under first-hand study when students consider several modern Irish writers to contrast themes and styles of those who remained in their native land with those who became expatriates.

Several courses of particular interest to future teachers or those working for

JUNE 10, 1974

An additional thirty-three courses will be offered during the six-week Summer Session from June 10th to July 19th. Wonderful opportunities are available for students to take one or two courses with classes scheduled at 8:00 and 10:00 a.m., 6:00 p.m., or as arranged.

Future teachers or those working for certification may be interested in "Field Biology for Teachers", "Teaching Social Studies in the Elementary School", "Science, Health, and Safety for Elementary Teachers", "Methods and Materials for Early Childhood Education", "Curriculum Improvement in the Schools", "Educational Psychology", and "Personality Theory".

Those interested in literature or the arts can choose from "Introduction to Literature", "Contemporary Literature", "Crafts I", "Photography", "Crafts II" or "Advanced Techniques of Play Production".

Of special appeal to business and industry management personnel are "Elementary Accounting Theory" and "Cost and Budgetary Accounting Theory".

Courses of general interest include: "Principles of Biology 1 & 2", "Field Natural History 1 & 2", "Principles of Political Economy 10 & 11", and "Rhetoric". "Elementary Geometry", "Finite Mathematics for Decision Making" and "Introduction to Statistics" are being offered, as are "Introductory Psychology" and "Seasory Experimental Psychology". Other summer courses are "Social and Political Philosophy", "Philosophy of Religion", "Psychology of Religion", "Perspectives on Religion", "Introduction to Anthropology", and "Racial and Cultural Minorities".

Certification are available this MAY TERM. The education department offers "The Psychology and Teaching of Reading in the Elementary School", "Open Classroom Education", "Teaching Reading Skills in Secondary Schools", and a special MAY-JUNE course, "Curriculum Improvement in the Schools". The mathematics department is offering "Mathematics for Elementary Teachers" and the psychology department has "Educational Psychology" and "Social Psychology".

MAY TERM classes, which start on May 6th and continue daily until May 31st, will meet at 9:00 a.m. or 1:00 p.m. unless scheduled to meet on some "arranged" basis. A student may take one of the fifty-five MAY TERM courses.

COURSES FOR MAY TERM 1974

ACCOUNTING 60 - Seminar on Technical Opinion.

A seminar course for accounting majors with library assignments to gain a working knowledge of the highly technical opinions and statements of the Accounting Principles Board and the Financial Accounting Standards Board. One term paper. Possible trip to Stamford, Conn. 9 a.m. Cost: \$10 plus bus fare.

ACCOUNTING 61 - Accounting for Non-Profit Organizations.

Will consider in detail the accounting practices associated with non-profit organizations and especially those practices which, as a result of the absence of the profit motive, differ significantly from the usual practices associated with the business entity.

Malone. 9 a.m. Cost: \$10 plus minimal field trips.

ART 61 - Jewelry.

Design and formation of copper and silver into jewelry; cutting, piercing, etching, enameling, casting, and soldering techniques. This course stresses handcrafted jewelry and design.

Amelch. 9 a.m. Cost: Lab fee of \$5 plus materials.

ART 63 - Physiological and Psychological Aspects of Color.

The student does 12 to 15 problems related to certain aspects of color and the results of the problems are discussed. Open to all.

Shipley. 9 a.m. Cost: \$35.

ART 65 - Vermont Photography Workshop.

An advanced level course open to students who have had Introduction to Photography or Advanced Photography. Course emphasizes working with a professional camera at the summer residence of Mr. Fred Hudgings. The first two weeks spent in intensive picture taking and discussion, with emphasis placed upon serious portraiture and environmental studies. The latter two weeks at Lycoming processing and printing all the material, with a final portfolio presentation.

Wild. Cost: Approximately \$140.00.

ART 66 - Woodworking.

Introduction to woodworking with practical exercises in shaping, joining and finishing of wooden objects with emphasis to be placed on the use and construction with hand tools supplemented by power tools.

Staff. Arranged. Cost: \$20-\$40 plus lab fee.

BIOLOGY 61 - Introduction to Marine Biology and Biological Oceanography.

An investigation into some of the basic characteristics of the marine habitat and its organisms. Although the course emphasizes marine biology, consideration will be given to the physical and chemical characteristics of the ocean (waves, salinity, currents, temperature and oceanographic sampling.) The course is offered at The

Bermuda Biological Station for Research, St. George's, West, Bermuda, and will involve extensive field work.

Sherline. Cost: Approximately \$600.

BIOLOGY 62 - Field Ornithology.

Discussions and readings will consider the systematics of birds, their anatomical and physiological adaptations, and their natural history--stressing the contributions ornithology has made to the areas of animal behavior, evolution and speciation and migration and orientation. Lab work deals with identification and field techniques--auditory and visual displays, banding, etc.

Angstadt. Arranged.

BIOLOGY 63 - Clinical Microbiology.

A rigorous introduction to clinical microbiology with emphasis given to rapid identification of human bacterial pathogens. Laboratory to include such diagnostic procedures as antibiotic sensitivity testing, serological diagnosis, anaerobic culture techniques and hemolytic reactions. Field trips included.

Diehl. 9 a.m.

BIOLOGY 65 - Human Sexuality.

A study of the human being as a sexual organism. Included for study are such areas as the biology of sex and reproduction, contraception, abortion, venereal disease, birth control, sexual responsibility, sex education and the effects of sex education to all students and recommended for in-service teachers and students contemplating a career in teaching.

Green. Arranged in late afternoon or evening.

BIOLOGY 66 - Fishery Management.

General concepts of fish management techniques including surveys, population estimation, identification and stocking theory. Field work includes water quality testing, electrofishing and stream improvement work. A week in Maine with the Department of Maine Fish and Game is tentative.

Mayers. 9 a.m. Cost: \$50 plus \$70 for trip to Maine.

BIOLOGY 67 - Endocrinology.

The course begins with a survey of the role of the endocrine hormones in the integration of body functions.

Followed by a study of the control of hormone synthesis

and release, and a consideration of the mechanisms by which hormones accomplish their effects upon target organs.

Zaccaria. Arranged.

BUSINESS ADMINISTRATION 60 - Managing the Small Business.

How the potential businessman proceeds in establishing, operating, and profiting from a small business operation. Considered and analyzed are such aspects as marketing, managing, financing, promoting, insuring, establishing, staffing, and developing the small retail, wholesale, service, and manufacturing firm.

Stauffer. Arranged.

BUSINESS ADMINISTRATION 64 - Creative Advertising.

A workshop concerned with theme, copy, and effective presentation of advertisements for print media, radio and direct mail. Limited to 12 students.

Hollenback. 9 a.m.

BUSINESS ADMINISTRATION 65 - Effective Communication.

Can you construct a good letter? Handle a business meeting? Dictate a report? Introduce a speaker? Write a resume? Give a speech? Interview a job applicant? Do you want to brush up on your grammar, punctuation, spelling? These and other aspects of communication skills are treated.

King. 9 a.m.

BUSINESS ADMINISTRATION 66 - Food Service.

Management concepts, structural characteristics and practical understanding of a food service organization as well as the problems encountered in managing a food service organization. Food service management requires skills in accounting, budgeting, and in planning the work of others to motivate them to achieve management goals. It includes the understanding of stewardship responsibilities in planning and controlling the organization. One half of the course is devoted to classroom and the other half to actual kitchen and dining application. This organization permits the student to receive both study and application.

Bloodgood. Arranged.

CHEMISTRY 61 - Clinical Analysis.

Designed for non-chemistry majors, principally medical technologists, who desire one semester of analytical chemistry. Topics include a review of general methods, calculations, solutions and their preparation, volumetric analyses, photometric and potentiometric analyses, and automation of these methods. Prerequisite: Chemistry 2 or 11.

Fram. 9 a.m. Lab Fee.

EDUCATION 30 - The Psychology and Teaching of Reading in the Elementary School.

A background course in the psychological, emotional, and physical bases of reading. A study of the learning process as it applies to reading, child development and the curriculum. The development of a reading program from beginning reading through grade three, problems, techniques, and materials used in the total elementary school. Observation of and participation with superior teachers in elementary schools of the Greater Williamsport Area. Prerequisites: Education 20 and Psychology 3B.

Schaeffer. 9 a.m.

EDUCATION 50 - Open Classroom Education.

Focus on open classroom education:

A. Planning an open classroom program.

B. Preparing materials.

C. Implementing the program.

D. Teaching in an open classroom program.

In addition to classroom experiences students will have an opportunity to work in open classroom programs within the public schools of the Greater Williamsport area.

Conrad. 9 a.m.

EDUCATION 63 - Teaching Reading Skills in Secondary Schools.

Emphasis is upon secondary reading as a developmental skill area, and the approach is a pedagogical presentation of basic skills that can be applied to all teachers to improve reading ability. Attention is given to the special skills required for the individual content areas and the ways in which the skills can be taught while teaching the subject matter.

Keesbury. Time: Arranged for evening hours.

ENGLISH 32 (or 37) - Nature of Short Fiction (Selected Authors).

A seminar in the work of John Hawkes and Flannery O'Connor, two of the best and most influential (at little read) of American contemporary writers. The innovating dimension of the course is primarily in its content.

Rife. 9 a.m. Approximate cost See instructor.

ENGLISH 37 - Selected Authors.

James Dickey and Sylvia Plath. A study of two important contemporary American writers. The course begins with a reading of Dickey's *Deliverance* and Plath's *The Bell Jar*, then proceeds to a study of their poetry. Special reference is given to the relationship between sex, violence, and creativity, and the problems of "belonging" that exist in the work. Course requirements include the writing of two longer papers.

Ford. Arranged.

ENGLISH 42 - Literature In Its External Relations.

Introduction to folklore. Introduces the student to the theory and method of folklore, with a special concentration on the culture of the Appalachian Mountains. From 1800 to 1900. In Parkersburg, West Virginia, each participant will have the opportunity to observe first hand the fascinating back woods of Eastern America. Additional features include a neighborhood containing fine fishing, biking, white water, mountain climbing and caving.

Bayer. Arranged. Cost: \$150.

ENGLISH 43 - Comparative Studies.

In Ireland, bogart! The study of several modern Irish writers, contrasting themes and styles of those who remained in their native land with those who became expatriates. Extended stays in Dublin, Cork, Killarney, and Galway with anticipated conferences at universities in Dublin and Cork. Opportunities exist for side trips, including weekends.

Madden. Estimated Cost: \$650.

ENGLISH 67 - Business English.

The course includes: instruction and practice in the use of writing in business, necessary remedial work in the conventions of standard writing system of English, guest consultants from the business world. Limited to 15 students. Two sections to be offered if enrollment exceeds limit.

Sawyer. Arranged: Evening hours.

SPANISH 61 - A Spanish Inquisition, 1974.

Tour includes Madrid, Salamanca, Granada, Sitges, Excursions, walking tours, The Alhambra, The Prado, other museums, sites of historic and cultural significance. Student project required. Credit for Sociology-Anthropology available, also.

Dufour and Rux. Cost: \$850.

FRENCH 60 - An Examination of the Changing Cultural Patterns of Contemporary France.

The course is designed to train the student in the discipline of the study of a foreign culture. During a 3-4 week residence in France, the student will observe the changing cultural patterns of contemporary France. Itinerary includes Paris, Tours, Geneva, Chamonix-Grenoble, Nice, Marseille, Biarritz. For details see instructor.

Rassou. Cost: \$633.

RUSSIAN 60 - A Cultural Tour of the U.S.S.R.

Under the arrangements with the State Bureau of Tourism of the USSR, the Lycoming group will visit Leningrad, Moscow, Novgorod, Kiev, Lvov, and Bucharest. Hotel, meals, transportation, guided tours of Hermitage, Winter and Summer Palaces, Moscow State University, The Kremlin, and other historic and cultural sites. In addition, the group will also visit Denmark, Finland, and West Germany. See instructor for further details.

Winston. Cost: \$750-\$825.

HISTORY 61 - History of Utopias in America.

A study of Utopias and Utopian thinking in the United States. The course reviews some of the basic Utopian literature, including the work of Noyes, Bellamy, Thoreau, and Skinner. Time is divided equally between campus study and trips off-campus. One trip focuses on the Oneida and Shaker communities; the other on contemporary behaviorist communities like Twin Oaks and Spring Tree, both in Virginia.

Piper. Cost: Books, room and board off campus.

HISTORY 63 - The German Reformation, in Germany.

This is a combined study-tour course. The topic is the German Reformation, particularly its Lutheran phases and some of the responses to it. Most of the study is to be done in East Germany, on site, including Wittenberg, Eisenach, and Erfurt. The course has been approved by the Religion Department for credit.

Piper. Cost: About \$750.

HISTORY 64 - The Russo-German War, 1941-1945.

This course is an examination of that conflict in its military, political, and economic setting. It is based upon extensive readings in memoirs of the participants, special studies of various aspects of that conflict and the use of conflict simulations (war games).

Larsen. 9 a.m.

MATHEMATICS 7 - Mathematics for Elementary Teachers.

A study of content, objectives, materials, and methods of instruction. Topics include a development of the real number system and its various subsystems, nondecimal arithmetic, geometry, probability, and algorithms for the four basic operations. Observations of superior teachers in elementary schools of the Greater Williamsport Area. Co-requisite: Education 20 or application to the elementary education program. Although the course is for elementary teachers, parents are permitted in the course in an attempt to learn the "new math".

Lambert. Arranged: Evening hours.

MATHEMATICS 63 - An Introduction to Discrete Probability.

Topics include: probability laws, elements of combinatorial analysis, conditional probability, and independence, random variables, expectation and generating function. Prerequisite: a one-year calculus course. Credit applies to major.

Saunders. Time: Arranged.

MUSIC 66 - Appalachian Mountain Crafts: The Construction and Study of Traditional Folk Stringed Instruments.

The evolution and construction of the Appalachian dulcimer, the hammered dulcimer and the guitar. A study of ethnomusicology. Includes an indepth study of historical instruments in museum collections and talk with contemporary builders in Appalachia. A workshop is established on campus in which students will construct instruments of their choice using traditional materials and processes.

Dartt. Arranged. Cost: \$30-\$50.

MUSIC 67 - Black Music.

A survey course combining a historical approach with a stylistic materials study for the entire field of Black Music. Time periods covered are from the period of origin in Africa to the present. Scope includes focus upon the influence Black Music has had, not only on society in general, but the entire field of music in particular.

Grey. Time: Arranged.

PHILOSOPHY 10 - Introduction to Philosophical Problems.

An inquiry, carried on mainly by discussions and short papers, into a few selected philosophical problems. The problems vary with the instructor; typical examples are: What is a scientific explanation? Are standards of conduct relative? Is talk about God meaningful? Readings in Philosophical classics and contemporary books and articles.

Whelan. Arranged.

PHILOSOPHY 61 - Philosophical Issues in Literature.

An examination of some of the philosophical issues which occur in literature. The specific literary works and issues to be discussed will depend partly on student interest and response; but several possibilities are these: the issue of human freedom and/or responsibility as manifested on Sophocles' *Oedipus Rex*; the problem of personal identity as it occurs in Kafka's *Metamorphosis*; the conflict between humanistic and utilitarian ethics as it occurs in Dostoyevski's *Crime and Punishment*; the problem of evil as it occurs in Dostoyevski's Brothers Karamazov; the nature of man as it is described in Golding's *Lord of the Flies*. No prerequisites. Griffith. 9 a.m.

PHYSICS 62 - Electronics for Amateur Audiophiles.

One hour lecture per day on basic concepts of electricity, electronics, testing electronic equipment. Two hours per day in lab assembling and trouble-shooting of a stereo tuner and amplifier kit. This course is designed for audiophiles who want to learn about the basic concepts of electronics as they assemble a complicated electronic stereo assembly. Limited to 10 students. No prerequisite. Must purchase your own stereo kit. Fineman. Arranged: Evening hours.

POLITICAL SCIENCE 62 - The Washington Minimester: A Course in Practical Politics.

Provides students with an opportunity to observe the workings of our national government at first hand. Students will have contacts in seminars with officials of the Congress, executive branch, courts, political parties, interest groups, and members of the media. The Minimester is a cooperative venture among Lycoming College, American University, and Villanova University. Supervision provided by Lycoming and Villanova instructors; American University provides facilities. Students are encouraged to explore the varied cultural and educational opportunities during their free time. Giglio - Schrems - Norton. Approximate Cost: \$250.

PSYCHOLOGY 10 - Introductory.

An introduction to the empirical study of human and other animal behavior. Areas considered may include: learning, personality, social, physiological, sensory, cognition and developmental. Loomis. 9 a.m.

PSYCHOLOGY 30 - Social Psychology.

An examination of behavior in social contexts including motivation, preception, group processes and leadership, attitudes, and methods of research. Prerequisite: Psychology 10.

Catt. Time: Arranged.

PSYCHOLOGY 38 - Educational Psychology.

An introduction to the empirical study of the teaching-learning process. Areas considered may include educational objectives, pupil and teacher characteristics, concept learning, problem solving and creativity, attitudes and values, motivation, retention and transfer, and evaluation and measurement. Prerequisite: Psychology 10, and Mathematics 13 or consent of instructor.

Hancock. 9 a.m.

PSYCHOLOGY 60 - Basic Methods in Research Instrumentation.

A "how to" course in relay circuitry specifically designed for programming schedules of reinforcement using Grayson-Stadler mechanical programming equipment. Students will construct simple relay components, learn basic electrical skills, and design at least one working program using the equipment they have constructed.

Brittain. Time: Arranged.

PSYCHOLOGY 64 - Hypnosis.

Research in an altered state of consciousness. An in-depth survey of current hypnotic phenomena involving study of the history and theory of hypnosis and demonstrations of various standard hypnotic experiences including age-regression, amnesia, post-hypnotic suggestion, physical and sensory effects. Discussion will focus on hypnotizability, practice effects, and the "importance" of various induction procedures. Students will be hypnotized on a voluntary basis only.

O'Brien. Arranged.

RELIGION 66 - Holy Sites and Religious Topics.

A study of selected topics in classical Egyptian religion, Graeco-Roman religion, Judaism, Islam, and Christianity. Selected topics include: The meaning of the Covenant in Judaism; The content of the Dead Sea Scrolls; The Cult of Amun; Graeco-Roman mystery religions; Islam. Slide-augmented lectures. Credit also available in History and the interdisciplinary major, Near East Culture and Archeology.

Guerra. Time: Arranged.

RELIGION 67 - Christianity and African Culture.

In its Protestant and Catholic views, Christianity has very different ways of looking at man, sex, community, nature, God, and the afterlife than do the traditional religions of the Sub-Saharan Africa. This course compares African religious beliefs with those of Christianity. Students will not only learn about fascinating African life-styles, but also gain new insights into their own beliefs.

Rhodes. Arranged: Evening hours.

SOCIOLOGY 60 - Sociology Field Experience.

A field experience in the analysis of a tri-cultural community (Anglo-Spanish-American Indian) of Espanola, New Mexico. Students spend week-days in the community in interview teams. Saturdays spent sightseeing in adjacent areas. Permission of instructor required.

McCravy. Cost: \$400.

SOCIOLOGY 61 - Urban Confrontation.

Program of course is to observe the criminal justice system. Two weeks of classroom preparation. One week in New York City. One week evaluation. An examination of a variety of issues raised by individuals and groups within the Women's Movement.

Strauser and Weitz. Time: Arranged. Cost: \$125.

SOCIOLOGY 66 - Shamanism and the Teachings of Don Juan.

A shaman is a term used by anthropologists to denote a man or woman who is in direct contact with the spirit world. The course examines the cultural manifestations of shamanism in several societies as well as various theoretical perspectives. Emphasis is given to recent investigations of the anthropologist Carlos Castaneda under the direction of the Yaqui shaman Don Juan. The course focuses on the question of what can be learned from the shamanic experience.

Wilk. Time: Arranged.

THEATRE 11 - Introduction to Film.

A basic course in understanding the film medium. The class will investigate film technique through lectures and by viewing regular weekly films chosen from classic, contemporary, and experimental short films.

ZaVisca. 1 p.m.

SPECIAL MAY TERM COURSES

SPECIAL 60 - An Introduction to Futurism.

A study of past civilizations and why they died. A review of present day Western civilization and its future. Course covers the following areas: The history and traditions of some of the great civilizations from the point of view of understanding their internal disintegration and ultimate deaths. The use of Toynbee's "The Study of History" for investigating the rise, decline, and fall of civilizations. The use of other resources to look at the future of our culture.

Buckle. 9 a.m.

SPECIAL 61 - Theatre and Music in London.

The course brings the student into direct contact with aspects of the current theatre and music scene in London. The core of the course is attendance at and evaluation of performances of at least six plays, two operas, two ballets, and two concerts. Students have opportunities to visit and to hear from practitioners in the arts; a lecture in theatre, a lecture-demonstration in music, a visit to a theatre academy, and a music academy. A trip to Stratford-on-Avon is optional but encouraged. Students have opportunities to visit places of historic interest. A general appreciation of the medium along with an introduction to life in Great Britain is part of the course.

Falk. Approximate cost: \$550.

SPECIAL 62 - Modern Archeological Research.

Fundamentals of modern research techniques. Focuses mainly on an Indian site in the Williamsport area. In addition to field work, there are class sessions to analyze and study materials excavated.

Lutz. Time: Arranged. Cost: \$15.

SPECIAL 63 - Introduction to Coaching of Athletics.

Designed for the student who intends to become involved in the coaching of athletics. Introduces the student to problems, responsibilities, techniques, and methods of organization and administration of athletics and coaching basketball and football. Prerequisite: Prior approval of Chairman of the Physical Education Department.

Burch - Busey. 9 a.m.

SPECIAL 65 - Living Off the Land.

This course is designed to familiarize the student with wild foods and survival techniques which provide self-reliance, and an introduction to the use of native plants and animals as food sources. Course activities will involve 30-40% class work, consisting of lectures, discussions, and preparations for field work with 60-70% of time spent in the field.

Staff. Cost: \$20.

SPECIAL 66 - Speleology.

This course introduces students to the fundamentals of cave exploration and study. Through field work in caves in West Virginia, students have the opportunity to study cave science, cave exploration, and human behavior in caves.

Staff. Cost: Approximately \$200.

SPECIAL IN-SERVICE TEACHER COURSE

EDUCATION 50 - Curriculum Improvement in Schools.

A combined lecture-workshop dealing with the process of curriculum improvement and its direct application to the in-service teacher's area of teaching. Each student, in consultation with the instructor, will build a program for his use, evolving from objectives through appropriate learning activities to evaluation. Lecture Portion: Mon. & Wed., 7-9 P.M. during May (No classes week of June 3-7). Workshop Portion: June 10-July 5 Mon. thru Fri. 10-12 A.M. (Open only to in-service teachers or to students who have completed student teaching.) Note: This can be used toward 24 hr. credit requirement for permanent certificate.

SPECIAL STUDENT APPLICATION FOR ADMISSION TO LYCOMING COLLEGE 1973 MAY TERM and/or SUMMER SESSION

Do You Plan To Live In A College Dormitory? YES NO

Name _____	Last _____	First _____	Middle _____	Social Security Number _____
Home Address _____	Street _____	City _____	State _____	Zip Code _____
Attended Lycoming Before? _____	From _____	To _____	No. Credits Earned _____	Year Graduated _____
Other Colleges Attended _____			No. Credits Earned _____	Year Graduated _____
Secondary School Attended _____				Year Graduated _____
Course(s) You Wish To Take - May Term _____				Summer Session _____

If admitted to Lycoming College as a result of this application, you will be classified as a Special Student. As a Special Student you are not a degree candidate until reclassified as a regular student. Credits earned by you for reclassification as a regular student. If you have never taken a course at Lycoming before, there will be a one-time application fee of \$15.

Mail to: Director of Admissions
Lycoming College
Williamsport, Pa. 17701

MAY TERM INTERNSHIP PROGRAM

Appropriate departmental credit for the following program may be arranged through the various departments. Interested students will please see the instructors involved for prior approval.

WASHINGTON INTERNSHIP PROGRAM.

Students will have the opportunity to intern with both public and private agencies in the Washington area. Opportunities include: congressional offices, Federal government agencies, social service agencies, business firms, research establishments, feminist organizations, and national associations having their offices in the area. Intern will work for their sponsoring agency, will provide sponsoring departments with appropriate bases for grades. Students will have wide opportunity to take advantage of the cultural and historical experiences in the D.C. area. For further information, see Dr. Giglio. Cost estimated at \$300.

SUMMER SESSION 1974

ACCOUNTING 10 - Elementary Accounting Theory.

An introductory course in recording, classifying, summarizing, and interpreting the basic business transaction. Problems of classification and interpretation of records and preparation of financial statements are studied. An IBM computer is used to solve some of these problems.

Mahon. 10 a.m.

ACCOUNTING 30 - Cost and Budgetary Accounting Theory.

Methods of accounting for materials, labor and factory overhead expenses consumed in manufacturing using job order, process, and standard costing. Application of cost accounting and budgeting theory to decision making in the areas of make or buy, expansion of production and sales, and accounting for control are dealt with.

Prerequisite: Accounting 21 or consent of instructor.

Mahon. 8 a.m.

ART 26 - Crafts I.

An introduction to the various craft materials, processes, design problems, and techniques involved in work in such crafts as clay, wood, fiber, metal, and plastics. Students purchase own materials.

Ameigh. 10 a.m.

ART 27 - Introduction to Photography.

Objectives of the course are to develop technical skills in the use of photographic equipment (cameras, films, darkroom, print maker) and to develop sensitivity in the areas of composition, form, light, picture quality, etc. Each student must own or have access to a 35 mm roll film camera.

Wild. Arranged.

ART 36 - Crafts II.

More advanced experimentation with crafts materials, with greater emphasis upon good craftsmanship and aesthetic quality. Prerequisite: Art 26.

Ameigh. 10 a.m.

BIOLOGY 1 - Principles of Biology.

An investigation of biological principles, including ecological systems, form and function in selected representative organisms (especially man), cell theory, molecular biology, reproduction, inheritance, adaptation, and evolution. The course is designed primarily for students not planning to major in the biological sciences.

Kelley. 8 a.m.

BIOLOGY 2 - Principles of Biology.

An investigation of biological principles, including ecological systems, form and function in selected representative organisms (especially man), cell theory, molecular biology, reproduction, inheritance, adaptation, and evolution. The course is designed primarily for students not planning to major in the biological sciences.

Mayers. 10 a.m.

BIOLOGY 3 - Field Biology for Teachers.

A methods course for students preparing to teach biology. Sources and methods of collecting and preserving various plant and animal materials. Offered summer only.

Green. 8 a.m.

BIOLOGY 57 - Field Natural History.

An advanced course covering the natural history of the flora and fauna of North central Pennsylvania. Lectures and field work will mainly detail the taxonomy, behavior, and ecology of the following groups: vascular plants, insects, fish, amphibians and reptiles, birds, and mammals.

Diehl. 8 a.m.

BIOLOGY 58 - Field Natural History.

Continues Biology 57 above. Biology 57 covers part of all groups; Biology 58 covers other part of all groups. Ideally, should be taken together.

Angstadt. 10 a.m.

ECONOMICS 10 - Principles of Political Economy.

An introduction to the problem of scarcity; to the economic thought, principles, institutions, and systems to which the problem has given rise.

Opdahl. 8 a.m.

ECONOMICS 11 - Principles of Political Economy.

An introduction to the problem of scarcity; to the economic thought, principles, institutions, and systems to which the problem has given rise.

Opdahl. 10 a.m.

EDUCATION 41 - Teaching Social Studies in the Elementary School.

Studies and experiences to develop a basic understanding of the general concepts and processes of geography, economics, geography, history, political science, and sociology as those relate to the elementary school social science curriculum. Practical applications, demonstrations of methods, and the development of integrated teaching units using texts, reference books, films, and other teaching materials. Prerequisite: Education 30.

Conrad. 10 a.m.

EDUCATION 42 - Science, Health, and Safety for Elementary Teachers.

Science methods and materials interpreting children's science experiences and guiding the development of their scientific concepts. A briefing of the science content of the curriculum, its material and use. An introduction to the methods of first aid, preservation of health, prevention of accidents, and the development of good health habits. Prerequisite: Education 30.

Comad. 8 a.m.

EDUCATION 50 - Methods and Materials for Early Childhood Education

An introduction to methods and materials for childhood education. Nursery school through grade three. Observation of young children and opportunities for application of methods.

Schaeffer. 10 a.m.

ENGLISH 1 - Rhetoric.

Instruction and carefully supervised practice in the basic techniques of organizing and expressing facts and ideas. The topic or topics dealt with are selected by the instructor.

Gustafson. 6 p.m.

ENGLISH 12 - Introduction to Literature.

An introduction to the study of literature, this course is primarily designed for freshmen seeking an elective to fulfill half of their English distribution requirement. Through lectures and discussions, the course will introduce the student to a variety of literary genres, including poetry, fiction, and drama. The lectures will be delivered by members of the English Department, and on occasion by members of other departments, and the discussion will be led by select upper-division English majors.

Rife and Gustafson. 10 a.m.

ENGLISH 29 - Contemporary Literature.

Representative works of major figures of the post-World War II period, British, Americans, and some Continental. Authors Pinter, Murdoch, Amis, Hughes, Thomas, Greene, Bellah, Greenblatt, Sartre, Albee, Bellows, Heller, Vonnegut, Lowell, etc. This course may be structured around a single theme or idea, such as "The Search for a Father," "The Contemporary Wasteland," or "The Function of Violence in the Modern World."

Rife. 6 p.m.

MATHEMATICS 6 - Elementary Geometry.

All aspects of Euclidean Geometry which are needed by elementary school teachers are covered in a modern, but informal, fashion. Subjects include: geometric objects, measurement, symmetry, similarity, parallels and coordinate geometry.

Getchell. 8 a.m.

MATHEMATICS 12 - Finite Mathematics for Decision Making.

Matrix solution of systems of linear equations, linear programming, theory of games, Markov chains.

Getchell. 10 a.m.

MATHEMATICS 13 - Introduction to Statistics.

Describing distributions of measurements, probability and random variables, binomial and normal probability distributions, statistical inference from small samples, linear regression and correlation, analysis of enumerative data. Includes laboratory experience with the desk calculator.

Lambert. 8 a.m.

PHILOSOPHY 22 - Social and Political Philosophy.

Of central interest is the question of relation between human nature and the proper social and political order. Emphasis is placed on an examination of the logic of social and political thought and on the analysis of key concepts: rights, power, authority, freedom, law, rights, justice, and social and political obligation.

No prerequisites.

Griffith. 10 a.m.

PHILOSOPHY 25 - Philosophy of Religion.

A philosophical examination of religion. Included are such topics as the nature of religious discourse, arguments for and against the existence of God, and the relation between religion and science. Reading from classical and contemporary sources. No prerequisites.

Griffith. 8 a.m.

PSYCHOLOGY 10 - Introductory Psychology.

An introduction to the empirical study of human and other animal behavior. Areas considered may include: learning, personality, social, physiological, sensory, cognition and development.

Catt. 6 p.m.

PSYCHOLOGY 20 - Sensory Experimental Psychology.

The examination of psychophysical methodology and basic neuropsychological methods as they are applied to the understanding of sensory processes. Prerequisite: Psychology 10; Mathematics 13.

Brittain. 10 a.m.

PSYCHOLOGY 22 - Personality Theory.

Theories of Personality. A comparison of different theoretical views on the development and functioning of personality. Examined in detail are three general viewpoints of personality: psychoanalytic, stimulus-response (behavioristic), and phenomenological. Prerequisite: Psychology 10.

O'Brien. 6 p.m.

RELIGION 10 - Perspectives on Religion.

An exploration of religious responses to ultimate problems of human existence. Through discussion of selections by Protestant, Catholic, Jewish, and humanist writers, students are encouraged to grapple with such questions as the nature and language of religion, the existence and knowledge of God, the inter-play of religion and culture, and the religious analysis of the human predicament.

Neuffer. 8 a.m.

RELIGION 56 - Psychology of Religion.

To help students use broad insights of psychology to study and understand religious behavior. Concentrates on religious experience or manifestations rather than on concepts. Aim is to arrive at tentative conclusions as to what it means to be religious and what the religious function is in human development.

Neuffer. 10 a.m.

SOCIOLOGY 10 - Introduction to Sociology.

An introduction to the problems, concepts, and methods in sociology today, including analysis of stratification, organization of groups and institutions, social movements, and deviants in social structure.

Rux. 10 a.m.

SOCIOLOGY 14 - Introduction to Anthropology.

Prehistoric and primitive peoples and cultures; primitive customs and institutions compared with those of modern man.

Wilk. 8 a.m.

SOCIOLOGY 20 - Marriage and The Family.

The history, structure, and functions of modern American family life, emphasizing dating, courtship, factors in marital adjustment, and the changing status of family members. Prerequisite: Sociology 10 or consent of instructor.

McCrary. Time: Evening - 7 to 10 p.m.

SOCIOLOGY 34 - Racial and Cultural Minorities.

A study of the adjustments of minority racial, cultural, and national groups in modern America. Attention is also given to minority problems within their world setting. Prerequisite: Sociology 10 or consent of instructor.

Rux. 8 a.m.

THEATRE 31 - Advanced Techniques of Play Production.

A detailed consideration of the interrelated problems and techniques of play analysis, production styles, and design. Offered summer only.

Staff. Arranged.

ANOTHER BARGAIN IN EDUCATION

Tuition is again \$150 per (unit) course for the MAY TERM and the Summer Session—a greater bargain than ever. This reduced rate is to encourage both full-time regular students and part-time students to attend one or both special terms.

In a period of ten weeks (eleven calendar weeks) you can earn credit for three unit courses (the equivalent of twelve semester hours of credit under a "course credit" system) at a cost of only \$450.00 for tuition, a savings of over forty-seven percent. Room costs will be \$50 for the MAY TERM and \$75 for the Summer Session. Board will be \$75 for MAY TERM and \$110 for Summer Session.

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